

L28 ANSWER 5 OF 6 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD  
 AN 89-036767 [05] WPIDS  
 DNC C89-016233  
 TI Sheet for adhering to mucous membrane of oral cavity - includes pullulan (deriv.) as adhesive, and membrane covering drug-contg. layer.  
 DC B07  
 PA (SATO) SATO SEIYAKU KK  
 CYC 1  
 PI JP63310818 A 881219 (8905)\* 6 pp <--  
 JP92004296 B 920127 (9208)  
 ADT JP63310818 A 87JP-0145201 870612; JP92004296 B 87JP-0145201 870612  
 PRAI 87JP-0145201 870612  
 IC A61K-009-70  
 AB JP63310818 A UPAB: 930923

Sheet-like prod. to adhere to oral cavity mucous membrane containing Pullulan or Pullulan derivs. as adhesive. Whole surface, or part of surface except for the adhering surface is covered with membrane.

USE/ADVANTAGE - Prod. is used to apply e.g. analgesic-antiinflammatories such as acetaminophen, phenacetin, etc. antiinflammatory steroids such as hydrocortisone, predonisolone, etc., antihistamin drug such as diphenhydramin hydrochloride or chlorophenylamine maleate; antibiotics such as tetracyclin hydrochloride etc. chemical therapeutics such as sulphothiazole or nitrofurazone; local narcotics such as benzokine, Cardiotonic such as digitalis or digoxin; vasohypotonics or vasodilator such as nitroglycerin or papaverine; antitussive- expectorant such as codeine phosphate or isoproteolenol hydrochloride; intraoral biocide such as chlorohexidine hydrochloride, etc..

In an example, water was added to pullulan (average mol.wt. 200 thousands) (80g), conc. glycerin (30g) and sodium azulenesulphonate (8g) to adjust whole amt. to 400g resultant mixt., was mixed homogeneously and defoamed. Resultant mixt. was developed over plastic plate, warm air-dried to give film of 500 microns thickness and water content 1%. The film was stamped out into circles of 12 mm dia. to give sheet (A). Sheet (A) was fixed to drum of 10 mm dia. fixed closely to rotary axis and the sheet was immersed in coating liquor (ethylcellulose 5%/chloroform soln.) for 5 seconds. The drum was taken out rotated at 500 rpm to remove excess coating liquor. The sheet was subjected to warm air drying to remove chloroform completely and the sheet (A) was striped out from drum. 0/0

L30 ANSWER 1 OF 1 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

AN 1989-036767 [05] WPIDS

DNC C89-016233

TI Sheet for adhering to mucous membrane of oral cavity - includes pullulan (deriv.) as adhesive, and membrane covering drug-contg. layer.

DC B07

PA (SATO) SATO SEIYAKU KK

CYC 1

PI JP63310818 A 881219 (8905)\* 6 pp <--

JP92004296 B 920127 (9208)

ADT JP63310818 A 87JP-0145201 870612; JP92004296 B 87JP-0145201 870612

PRAI 87JP-0145201 870612

AN 1989-036767 [05] WPIDS

AB JP63310818 A UPAB: 19930923

Sheet-like prod. to adhere to oral cavity mucous membrane containing Pullulan or Pullulan derivs. as adhesive. Whole surface, or part of surface except for the adhering surface is covered with membrane.

USE/ADVANTAGE - Prod. is used to apply e.g. analgesic-antiinflammatories such as acetaminophen, phenacetin, etc. antiinflammatory steroids such as hydrocortisone, predonisolon, etc., antihistamin drug such as diphenhydramin hydrochloride or chlorophenylamine maleate; antibiotics such as tetracyclin hydrochloride etc. chemical therapeutics such as sulphothiazole or nitrofurazone; local narcotics such as benzokine, Cardiotonic such as digitalis or digoxin; vasohypotonics or vasodilator such as nitroglycerin or papaverine; antitussive- expectorant such as codeine phosphate or isoproteolenol hydrochloride; intraoral biocide such as chlorohexidine hydrochloride, etc..

In an example, water was added to pullulan (average mol.wt. 200 thousands) (80g), conc. glycerin (30g) and sodium azulenesulphonate (8g) to adjust whole amt. to 400g resultant mixt., was mixed homogeneously and defoamed. Resultant mixt. was developed over plastic plate, warm air-dried to give film of 500 microns thickness and water content 1%. The film was stamped out into circles of 12 mm dia. to give sheet (A). Sheet (A) was fixed to drum of 10 mm dia. fixed closely to rotary axis and the sheet was immersed in coating liquor (ethylcellulose 5%/chloroform soln.) for 5 seconds. The drum was taken out rotated at 500 rpm to remove excess coating liquor. The sheet was subjected to warm air drying to remove chloroform completely and the sheet (A) was striped out from drum.

L52 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 1999 ACS

AN 1989:639491 HCAPLUS

DN 111:239491

TI Manufacture of pharmaceutical buccal tapes

IN Tatara, Mitsutoshi; Ishikawa, Shinichi; Maeda, Shingo; Morioka, Shigeo

PA Sato Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI JP63310818	A2	19881219	87JP-0145201	19870612 <--
JP92004296	B4	19920127		

AB A controlled-release buccal tapes contains pullulan and(or) its deriv. as the adhesive, one side of which may be covered by a film. Thus, pullulan (av. mol. wt. 20 times. 104) 80, a concd. glycerin 30, and Na azulenesulfonate 8 g were mixed with 400 g H2O, applied to a plastic plate

and dried to give a 500 .mu.m-thick film. One side of this film was subsequently coated with a Et cellulose film.

IC ICM A61K-009/70

CC 63-6 (Pharmaceuticals)

ST buccal pharmaceutical pullulan adhesive

IT Pharmaceutical dosage forms  
(buccal, pullulan as adhesives for)

IT 9057-02-7, Pullulan

RL: BIOL (Biological study)  
(as adhesive, buccal pharmaceutical contg.)

IT 9057-02-7D, Pullulan, derivs.

RL: BIOL (Biological study)  
(as adhesives, buccal pharmaceuticals contg.)

IT 9004-57-3

RL: BIOL (Biological study)  
(film, pharmaceutical buccal patch coating with)

IT 75869-04-4, Sodium azulenesulfonate

RL: BIOL (Biological study)  
(pharmaceutical buccal formulation contg.)